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Patent Number(s):

JP62059290-A

Title:

Iso-raffinose with Bifidus activity - useful as component for sweetener

Patent Assignee Name(s) and Code(s):

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Derwent Primary Accession Number:

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Abstract:

Isoraffinose comprises O-beta-D-glacto pyranosyl- (1-6)-O-alpha-D-glucopyranosyl -(1-2)-beta-D-fructo furanoside. Beta galactosidase is reacted with a mixt. of O-nitrophenyl- beta-D-galacto pyranoside and sucrose, to produce isoraffinose. Alternatively beta-galactosidase is reacted with a mixt of lactose and sucrose.

USE/ADVANTAGE - Isoraffinose has Bifidus activity and low cariosity. It can be used for sweeteners. It can be synthesised from naturally abundant sucrose and lactose.

International Patent Classification:

C07H-003/06; C12P-019/00; C12R-001/66

Derwent Class:

B03 (Other heterocyclics); D13 (Other foodstuffs and treatment); D16 (Fermentation industry); E13 (Heterocyclics)

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